DU - Dump Generation

This Natural profile parameter is for:

- mainframes
- UNIX and Windows

Mainframes

This parameter indicates whether a memory dump is to be generated in the case of an abnormal termination during the Natural session.

Possible settings	ON	A memory dump is produced in the case of an abnormal termination (TP-monitor dump dataset or SYSUDUMP in OS/390 batch mode or TSO). Then the Natural session terminates with error message NAT9974.
	OFF	No memory dump is produced. In batch mode, subsequent action taken by Natural is determined by the setting of the CC profile parameter. In online mode, Natural responds with errors NAT0953, NAT0954, NAT0955 or NAT0956. For further information on the abnormal termination, you can use the system command DUMP.
	SNAP	This will force an immediate dump in the case of an abnormal termination during a Natural session. The Natural session will continue as with DU=OFF after the dump has been taken.
	FORCE	This will force an immediate dump in the case of an abnormal termination during a Natural session and will terminate the Natural session immediately. This is useful for testing purposes in some environments.
	ABEND	This works as with DU=ON, except that the session is terminated with the abend occurred - instead of error message NAT9974.
Default setting	OFF	
Dynamic specification	YES	
Specification within session	YES	Within a Natural session, the profile parameter DU can be overridden by the **session parameter** DU.

Important:
Setting the DU profile parameter may impair the system performance considerably, due to I/O processing on the dump dataset.

UNIX and Windows

This parameter indicates whether a disassembled object code dump is to be generated.

Possible settings	ON	When the system command CHECK, STOW, CATALOG, RUN or CATALL is executed, a disassembled object code file is produced. This dump file is written into the directory "tmp" below the Natural root directory. The name of this dump file consists of the source file name and the extension ".DIA". If the source file has not been saved, the name of the dump file is "GEN.DIA". If the program contains database access statements, dump files with the extension ".ADA" (for Adabas) or ".SQL" (for SQL databases) are also created. If XREF data are generated, a dump file ".xrf" is created. **Note:** DU=ON may create a large dump file (depending on the size of the source file), which can cause significant degradation in system performance.
	OFF	No dump file is generated.
Default setting	OFF	
Dynamic specification	YES	
Specification within session	YES	Within a Natural session, the profile parameter DU can be overridden by the **session parameter** DU.